## **Test Plan Cardano > Create wallet**

### Introduction

The Test Plan is designed for the objective,scope, approach, resource management, and

Time estimation of the project Yoroi chrome extension Create wallet”.

It indicates the details of the project, the testables, the non testables, testing types, time frame, human responsibility, environment and testing tools in detail.

#### Scope

#### In Scope:

* Chrome extension installation
* Complete end to end flow from installation to wallet creation including language selection, terms and condition,password setting
* Functional validation in feature level including all the text fields,checkboxes,available buttons with positive and negative inputs and expected outputs
* Integration between each each feature as well as the complete integrated function as a whole
* UI/UX validation of each page
* A complete regression flow manually
* A complete sanity flow and regression flow in automation
* A final UAT check

**Objective in detail(Scenarios to be covered):**

1. Verify the chrome installation positive flow
2. Verify the chrome installation positive flow -> try adding different browser extension in chrome
3. Verify different feature from manage extension by combining positive and negative scenarios
4. Check remove extension and reinstall
5. Check create wallet positive flow with proper wallet name and required password
6. Check negative flow with incorrect name format and proper password
7. Check negative flow by providing proper name and invalid password format
8. Check negative flow by providing proper name, valid password and invalid password confirmation
9. Check all the valid inputs and clicking on x button to cancel the wallet creation
10. Check the recovery phrase with positive order
11. Check the recovery phrase with negative order
12. Check clear and last remove button functionality
13. Check if user needs to check both the checkboxes in order to proceed after recovery phrase
14. Logout and check re login with proper pin
15. Check the complete flow till wallet creation and My wallet page display with proper inputs
16. Check proper UI for each page including my wallet age having dashboard,transaction, send,receive,voting,delegation list tabs

#### Out of Scope

Below areas we are not covering in current test:

* API testing
* Database logical
* Website Security and Performance

### 1.1 Roles and Responsibilities:

Total resource: 8  
Buffer resource: 1

| **Responsibility** | **Resource** |
| --- | --- |
| Test Management | Manager/Test lead |
| Test designing and mapping for Unit,SIT,E2E | Junior and mid senior QEs(MemberA,MemberB,MemberC) |
| Test Designing and mapping for Regression,UAT | Senior QEs(Member D,Member E) |
| Test case review | Mid senior and Senior QEs(Member D,Member E,Member C) |
| Execution in all phases | All QE members |
| Buffer resource | Member G |
| Automation suit creation | Member H,Member I |
| Automation cycle execution | Member H,Member I |

### 2. Test Methodology

### 2.1 Test Levels

In this project, 5 types of testing should be conducted.

* **Unit testing(Feature level)** testing: Individual software units
* **Integration** **Testing:** Individual software modules are combined and tested as a group
* **System** **Testing**: Conducted on a **complete**, **integrated** system to evaluate the system’s compliance with its specified requirements
* **Regression testing:** Important and dependant modules testing on stable built in order to verify any any broken or affected module after bug fixes or new feature
* UAT: A complete testing from end user business perspective

### 2.2 Bug Triage

### 2.3 Suspension Criteria and Resumption Requirements

If the team members report that there are **40%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

### 2.4 Test Completeness

* Specifies the criteria that denote a **successful** completion of a test phase
* **Run** rate is mandatory to be **100%** unless a clear reason is given.
* **Pass** rate is **80%,** achieving the pass rate is **mandatory**

### 2.5 Task estimation and schedule:

| **Task** | **Manpower** |
| --- | --- |
| Test design | 45 hours |
| Review | 18 hours |
| Regression suit creation(40% of functional test cases) | 9 hours |
| UAT suit creation(30% of functional test cases) | 9 hours |
| Automation suit creation | 27 hours |
| Automation execution | 18 hours |
| Regression execution | 18 hours |
| UAT execution | 24 hours |
| Buffer time | 18 hours |

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### 3. Test Deliverables

Test deliverables are provided as below

**Before testing phase**

* Test plans document.
* Test cases documents
* Test Design specifications.

**During the testing**

– Test Tool Simulators.

– Test Data

– Test Trace-ability Matrix – Error logs and execution logs.

**After the testing cycles is over**

* Test Results/reports
* Defect Report
* Installation/ Test procedures guidelines
* Release notes

### 4. Resource & Environment Needs

### 4.1 Testing Tools

* Zaphire & JIRA for test case designing and execution
* JIRA for requirement mapping
* JIRA for bug raise and retest
* Selenium webdriver(TestNG) for automation
* Jenkins for continuous integration

### 4.2 Test Environment

Feature,Integration,SIT: early built env(EG: [www.examplebuilt1.com](http://www.examplebuilt1.com))

Regression: pre-prod(EG:[www.examplepre-prod.com](http://www.examplepre-prod.com))

UAT: pre-prod and prod